

04/12/04

B

"Express Mail" mailing label number EV425068574US

APR 09 2004

Date of Deposit: April 9, 2004  
I hereby certify that this paper is being deposited with the  
United States Postal Service "Express Mail Post Office to  
Addressee" service under 37 CFR 1.10 on the date indicated  
above and is addressed to the Commissioner for Patents,  
P.O. Box 1450, Alexandria, VA 22313-1450

Deanna L. Hasler  
Deanna L. Hasler

PATENT  
Our Case No. 10022/300

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of: )  
Edy S. Liongosari )  
Serial No.: 09/520,578 ) Examiner: Joseph P. Hirl  
Filing Date: March 8, 2000 ) Group Art Unit No.: 2121  
For: KNOWLEDGE MODEL-BASED )  
INDEXING OF INFORMATION )

**RESUBMISSION OF FOURTH SUPPLEMENTAL**  
**INFORMATION DISCLOSURE STATEMENT AND CORRECTED FORM PTO-1449**

MAIL STOP ISSUE FEE  
The Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

As requested by Examiner Joseph P. Hirl in a telephone conversation with Sanders N. Hillis (attorney for Applicant) on April 7, 2004, enclosed are copies of the Fourth Supplemental Information Disclosure Statement and cited references that were mailed on March 9, 2004, for the above-referenced patent application. Also enclosed is a copy of the return receipt postcard that includes the date stamp of the U.S. Patent and Trademark Office, indicating receipt of the Fourth Supplemental Information Disclosure Statement on March 12, 2004.

We received a Notice of Allowance mailed March 24, 2004, for this patent application. However, the Notice of Allowance did not include an initialed copy of the List of Patents and

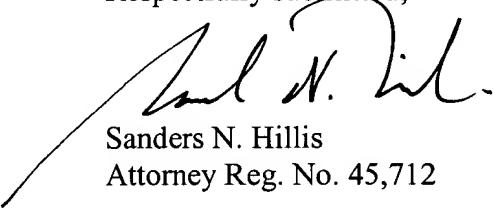
Publications For Applicant's Information Disclosure Statement, Form PTO-1449, filed with the Fourth Supplemental Information Disclosure Statement.

Please fax a copy of the List of Patents and Publications For Applicant's Information Disclosure Statement, Form PTO-1449, that has been initialed by the Examiner, at your earliest convenience. My facsimile number is (317) 634-6701.

Please note that the cover letter of the Fourth Supplemental Information Disclosure Statement includes a List of Patents and Publications For Applicant's Information Disclosure Statement, Form PTO-1449. While the as-filed cover letter of the Fourth Supplemental Information Disclosure Statement identified the reference "Hara, Y., Keller, A.M., Rathmann, P.K., Wiederhold, G., 'Implementing Hypertext Database Relationships through Aggregations and Exceptions,' pp. 1-4, Stanford Technical Report, 1991," as being enclosed, the as-filed Form PTO-1449 enclosed with as-filed cover letter of the Fourth Supplemental Information Disclosure Statement inadvertently omitted citation of said reference. Therefore, a corrected Form PTO-1449 is enclosed, which includes the Hara, et al. reference entitled "Implementing Hypertext Database Relationships through Aggregations and Exceptions." Additionally, the Form PTO-1449 has been corrected to separate two references, N.V. Findler and C.J. Date (now at D4 and D5, respectively).

If you have any questions, please do not hesitate to contact me.

Respectfully submitted,



Sanders N. Hillis

Attorney Reg. No. 45,712

SNH/dlh  
Enclosure

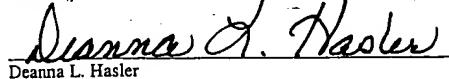
BRINKS HOFER GILSON & LIONE  
One Indiana Square, Suite 1600  
Indianapolis, Indiana 46204  
Telephone: 317-636-0886  
Facsimile: 317-634-6701



APR 09 2004

Certificate Under 37 CFR 1.8(a)

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first-class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on March 9, 2004.

  
Deanna L. Hasler

PATENT  
Our Case No. 10022/300

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of: )  
Edy S. Liongosari )  
Serial No.: 09/520,578 ) Examiner: Joseph P. Hirl  
Filing Date: March 8, 2000 ) Group Art Unit No.: 2121  
For: KNOWLEDGE MODEL-BASED )  
INDEXING OF INFORMATION )

**FOURTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

In compliance with the duty of disclosure under 37 C.F.R. § 1.56, it is respectfully requested that this Fourth Supplemental Information Disclosure Statement be entered and the documents listed below and on the attached Form PTO-1449 be considered by the Examiner and made of record. Copies of the listed documents required by 37 C.F.R. § 1.98(a)(2) are enclosed for the convenience of the Examiner.

The references now cited are the following:

Delany, P., and Landow, G.P., "Hypermedia and Literary Studies," pp. 60-61, 71-72, 74-75, 99, 290-291; The MIT Press, Cambridge Mass. And London, England, 1991

Findler, N.V., "Associative Networks: Representation and Use of Knowledge by Computers," pp. xv-xvi, 51-54, 62-63, 179-180; Academic Press, New York, 1979.  
Date, C.J., "An Introduction to Database Systems," pp. 38-39, 48-52, 491-493, 792-797; Vol. I,

Fifth Ed., Addison-Wesley System Programming Series, © 1990 Addison-Wesley Publishing Co., Inc.

Screenshots from Visio 4.0 for Microsoft Windows, © 1991-1995 Vision Corporation.

Poulovassilis, A. and Levene, M., "A Nested-Graph Model for the Representation and Manipulation of Complex Objects," pp. 35-68, ACM Transactions on Information Systems, Vol. 12, No. 1, January 1994.

Wang, B., Hitchcock, P., Holden, T., "Linking Object Oriented Database and Hypertext to Support Software Documentation," pp. 149-156, ACM SIGDOC '92, Proc. 10th Ann. Int. Conf. on Systems Documentation, © ACM 1992.

Baecker, H.D., "Garbage Collection for Virtual Memory Computer Systems," pp. 981-986, Comm. of the ACM, Vol. 15, No. 11, Nov. 1972 © 1972, Association for Computing Machinery, Inc.

Swaminathan, K., "RA: A Memory Organization to Model the Evolution of Scientific Knowledge," pp. 23-30, 62-79, COINS Technical Report 90-80, Sept. 1990.

Halasz, F.G., Moran, T.P., Trigg, R.H., "NoteCards in a Nutshell," pp. 45-51, Proceedings of CHI'87, © 1987 ACM

Andrews, K., "Visualising Cyberspace: Information Visualisation in the Harmony Internet Browser," pp. 97-104, Proc. Of First IEEE Symposium on Information Visualization, Atlanta, GA, Oct. 1995.

Mukherjea, S., Foley, J.D., "Visualizing the World-Wide Web with the Navigational View Builder," Computer Networks & ISDN System, Special Issue on 3rd Int. Conf. On the World-Wide Web '95, April 1995, Darmstadt, Germany.

Lamping, J., Rao, R., Pirolli, P., "A Focus+Context Technique Based on Hyperbolic Geometry for Visualizing Large Hierarchies," pp. 1-8, Reprinted From: Proc. ACM SIGCHI Conf. On Human Factors in Computing Systems, Denver, May 1995, ACM.

Robertson, G.G., Mackinlay, J.D., Card, S.K., "Cone Trees: Animated 3D Visualizations of Hierarchical Information," pp. 189-193, Proc. Conf. Human Factors in Computing Systems (CHI'91) © ACM 1991.

Kumar, H.P., Plaisant, C., Shneiderman, B., "Browsing Hierarchical Data with Multi-Level Dynamic Queries and Pruning," pp. 1-6 of 24, and 22 of 24; Int. Jour. Human-Computer Stud., 1996, 46(1); URL: <ftp://ftp.cs.umd.edu/pub/hcil/Reports-Abstracts-Bibliography/3474>

Hara, Y., Keller, A.M., Rathmann, P.K., Wiederhold, G., "Implementing Hypertext Database Relationships through Aggregations and Exceptions," pp. 1-4, Stanford Technical Report, 1991.

Miriyala, K., Hornick, S.W., Tamassia, R., "An Incremental Approach to Aesthetic Graph Layout," Proc. 6th Int. Workshop on Computer-Aided Software Engineering, CASE '93, 1993.

Roth, S.F., Kolojejchick, J., Mattis, J., Goldstein, J., "Interactive Graphic Design Using

Automatic Presentation Knowledge," pp. 112-117 & p. 476, Proc. Of CHI'94 Conf. Boston, April 1994 © 1994 ACM.

Mackinlay, J., "Automating The Design of Graphical Presentations of Relational Information," ACM, pp. 110-141, ACM Transactions on Graphics, Vol. 5, No. 2, April 1986.

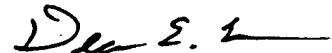
Ichimura, S. and Matsushita, Y., "Another Dimension to Hypermedia Access," pp. 63-72, Hypertext '93 Proceedings, © ACM 1993

In accordance with 37 C.F.R. § 1.97(g),(h), this Fourth Supplemental Information Disclosure Statement is not to be construed as a representation that a search has been made and is not to be construed to be an admission that the information cited is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b).

This Fourth Supplemental Information Disclosure Statement is being filed prior to the receipt of the first Official Action reflecting an examination on the merits and hence is believed to be timely filed in accordance with 37 C.F.R. § 1.97(b). No fees are believed to be due in connection with filing of this Fourth Supplemental Information Disclosure Statement, however, should any fees under 37 C.F.R. §§ 1.16 to 1.21 be deemed necessary for any reason relating to these material, the Commissioner is hereby authorized to deduct said fees from Brinks Hofer Gilson & Lione Deposit Account No. 23-1925. A duplicate copy of this document is enclosed.

Applicant(s) respectfully request that the listed documents be made of record in the present case.

Respectfully submitted,



Dean E. McConnell  
Attorney Reg. No. 44,916

DEM/dlh

BRINKS HOFER GILSON & LIONE  
One Indiana Square, Suite 1600  
Indianapolis, Indiana 46204  
Telephone: 317-636-0886  
Facsimile: 317-634-6701

Case No. 10022/300

Mailed: March 9, 2004

Applicant(s): Edy S. Liongsari

Serial No.: 09/520,578

Filed: March 8, 2000

For: KNOWLEDGE MODEL-BASED INDEXING  
OF INFORMATION



Transmittal (in duplicate)  
 Fourth Supplemental Information Disclosure Statement  
 Form PTO-1449 (3 pgs.)  
 19 References  
 Postal Card

The stamp of the U.S. Patent and Trademark Office hereon  
indicates receipt of the above-identified documents.

RECEIVED

MAR 19 2004

BRINKS, HOFER,  
GILSON & LIONE



||||||||||||||||||||  
Dean E. McConnell, Esq.  
Brinks Hofer Gilson & Lione  
One Indiana Square, Suite 1600  
Indianapolis, IN 46204



FORM PTO-149 TRADEMARKS		SERIAL NO. 09/520,578	CASE NO. 10022/300
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT		FILING DATE March 8, 2000	GROUP ART UNIT 2121
(use several sheets if necessary)		APPLICANT(S): Edy S. Liangosari	

**REFERENCE DESIGNATION**
**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER <small>Number-Kind Code (if known)</small>	DATE	NAME	CLASS/ SUBCLASS	FILING DATE
	D1				

**FOREIGN PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER <small>Number-Kind Code (if known)</small>	DATE	COUNTRY	CLASS/ SUBCLASS	TRANSLATION YES OR NO
	D2				

**EXAMINER INITIAL**
**OTHER ART - NON PATENT LITERATURE DOCUMENTS**

(Include name of author, title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date page(s), volume-issue number(s), publisher, city and/or country where published.

D3	Delany, P., and Landow, G.P., "Hypermedia and Literary Studies," pp. 60-61, 71-72, 74-75, 99, 290-291; The MIT Press, Cambridge Mass. And London, England, 1991
D4	Findler, N.V., "Associative Networks: Representation and Use of Knowledge by Computers," pp. xv-xvi, 51-54, 62-63, 179-180; Academic Press, New York, 1979.
D5	Date, C.J., "An Introduction to Database Systems," pp. 38-39, 48-52, 491-493, 792-797; Vol. I, Fifth Ed., Addison-Wesley System Programming Series, © 1990 Addison-Wesley Publishing Co., Inc.
D6	Screenshots from Visio 4.0 for Microsoft Windows, © 1991-1995 Vision Corporation.
D7	Poulovassilis, A. and Levene, M., "A Nested-Graph Model for the Representation and Manipulation of Complex Objects," pp. 35-68, ACM Transactions on Information Systems, Vol. 12, No. 1, January 1994.
D8	Wang, B., Hitchcock, P., Holden, T., "Linking Object Oriented Database and Hypertext to Support Software Documentation," pp. 149-156, ACM SIGDOC '92, Proc. 10th Ann. Int. Conf. on Systems Documentation, © ACM 1992.

**EXAMINER**
**DATE CONSIDERED**

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 APR 09 2004 PATENT AND TRADEMARK OFFICE O I P E J C	SERIAL NO. 09/520,578 09/520,578	CASE NO. 10022/300 10022/300
<b>LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT</b> (use several sheets if necessary)	FILING DATE March 8, 2000 March 8, 2000	GROUP ART UNIT 2121 2121
	APPLICANT(S): Edy S. Liogosari	

EXAMINER INITIAL	OTHER ART – NON PATENT LITERATURE DOCUMENTS (Include name of author, title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date page(s), volume-issue number(s), publisher, city and/or country where published.)	
	D9	Baecker, H.D., "Garbage Collection for Virtual Memory Computer Systems," pp. 981-986, Comm. of the ACM, Vol. 15, No. 11, Nov. 1972 © 1972, Association for Computing Machinery, Inc.
	D10	Swaminathan, K., "RA: A Memory Organization to Model the Evolution of Scientific Knowledge," pp. 23-30, 62-79, COINS Technical Report 90-80, Sept. 1990.
	D11	Halasz, F.G., Moran, T.P., Trigg, R.H., "NoteCards in a Nutshell," pp. 45-51, Proceedings of CHI'87, © 1987 ACM
	D12	Andrews, K., "Visualising Cyberspace: Information Visualisation in the Harmony Internet Browser," pp. 97-104, Proc. Of First IEEE Symposium on Information Visualization, Atlanta, GA, Oct. 1995.
	D13	Mukherjea, S., Foley, J.D., "Visualizing the World-Wide Web with the Navigational View Builder," Computer Networks & ISDN System, Special Issue on 3rd Int. Conf. On the World-Wide Web '95, April 1995, Darmstadt, Germany.
	D14	Lamping, J., Rao, R., Pirolli, P., "A Focus+Context Technique Based on Hyperbolic Geometry for Visualizing Large Hierarchies," pp. 1-8, Reprinted From: Proc. ACM SIGCHI Conf. On Human Factors in Computing Systems, Denver, May 1995, ACM.
	D15	Robertson, G.G., Mackinlay, J.D., Card, S.K., "Cone Trees: Animated 3D Visualizations of Hierarchical Information," pp. 189-193, Proc. Conf. Human Factors in Computing Systems (CHI'91) © ACM 1991.
	D16	Kumar, H.P., Plaisant, C., Shneiderman, B., "Browsing Hierarchical Data with Multi-Level Dynamic Queries and Pruning," pp. 1-6 of 24, and 22 of 24; Int. Jour. Human-Computer Stud., 1996, 46(1); URL: <a href="ftp://ftp.cs.umd.edu/pub/hcil/Reports-Abstracts-Bibliography/3474">ftp://ftp.cs.umd.edu/pub/hcil/Reports-Abstracts-Bibliography/3474</a>

EXAMINER	DATE CONSIDERED
----------	-----------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Rev. Feb.-97

R:\Accenture 10022\300\4TH ids pto 1449 3-9-04.dot

FORM PTO-1449 <i>SEARCHED</i> <i>INDEXED</i> <i>MAILED</i>	APR 09 2004 <i>SEARCHED</i> <i>INDEXED</i> <i>MAILED</i>	SERIAL NO. 09/520,578 09/520,578	CASE NO. 10022/300 10022/300
<b>LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT</b>		FILING DATE March 8, 2000 March 8, 2000	GROUP ART UNIT 2121 2121
(use several sheets if necessary)		APPLICANT(S): Edy S. Liogosari	

EXAMINER	DATE CONSIDERED
----------	-----------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609;  
Draw line through citation if not in conformance and not considered. Include copy of this form with next  
communication to applicant.

Rev. Feb.-97

R:\Accenture 10022\300\4TH ids pto 1449 3-9-04.dot